CHARGE NUMBER: 1503
PROJECT TITLE: Modified Smoking Materials
PROJECT LEADER: J. G. Nepomuceno
PERIOD COVERED: November, 1985
DATE OF REPORT: December 9, 1985

I. Tobacco Extrusion

Objective:

To develop a process for extrusion of foamed tobacco articles.

Status:

Dual filters using a combination of CA on the mouth end and various types of tobacco filler on the rod end were made successfully at the Semiworks using a standard dual filter combiner. Extruded rods tipped with these filters are currently being analyzed for tar deliveries prior to testing with in-house panels.

Plans:

Complete subjective evaluation of extruded rod prototypes using in-house panel by the end of December, 1985

II. Foamed Filler Binder

Objective:

To develop a process for applying a subjectively acceptable foamed binder to the tobacco filler in order to improve coal strength, reduce loose ends and allow for weight reduction.

Status:

Marlboro and Players Lights prototypes with 50 mg weight reductions are being tested analytically and subjectively using in-house panels. A binder formulation containing 12.5% licorice/12.5% degraded pectin was added to these models at 0.5% add-on rate.

Plans:

Complete panel testing of above prototypes by January, 1986.

III. Low Density Rods

Objective:

To develop a process for producing low density cigarette rods.

Status:

A process for producing low density cigarettes using tobacco precoated with binders, forming a low density tobacco structure, then reactivating the binders to form a bound structure was outlined. Prototype components are currently being designed and fabricated for evaluation.

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Source: https://www.industrydocuments.ucsf.edu/docs/zkfm0000

Plans:

Complete evaluation of prototype low density process described above by June, 1986.

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